Claims

1.   A method for updating existing code in a computer program after inputting new code which defines changes to said existing code comprising the steps of:

    generating a target file list which includes target files;

    generating an associated file list including associated files which correspond with said target files; and

    executing an algorithm where said algorithm locates said target files by employing a search process, said algorithm updates said target files and updates said associated files by selectively compiling said target files.

2.   The method of claim 1 further including source code and object code, said target files being source code and said associated files being object code, said source code being selectively compiled to update and provide said associated object code.

3.   The method of claim 1 further comprising the step of:

    updating said associated file list with new said associated files, said new associated files being defined by said new code.

4.   The method of claim 1 wherein said search technique including pattern type variables which use generic rules to specify said associated object code for updating.

5.   A method for generating changes and updating existing files and code in a computer program, comprising the steps of:

    reading existing source code and existing object code in said computer program;

    reading a plurality of associated files where said associated files are associated with said source code;

    executing a utility program which updates target said source code and said object code associated with said target source code, said utility program including

8   scripting language specifying particular characters to search for in said target

9   code and said associated code;

10   generating a target code list for said source code and said associated object code

11   by using said utility program; and

12   updating said target code and said associated code by employing a search

13   technique defined in said utility program, said search technique includes

14   specified patterns such that said specified patterns identify said existing

15   associated code being updated.

1   6.   The method of claim 5 wherein said specified patterns of said search technique

2   includes pattern type variables which use generic rules to specify said associated

3   object code for updating.

1   7.   The method of claim 5 wherein said search technique includes matching

2   specified characters in said target code and said associated code such that said

3   specified characters identify said existing associated code being updated.

1   8.   A method for generating changes and updating existing source code and

2   existing object code in a computer program which includes a plurality of dependent

3   files which are prerequisites of said source files, comprising the steps of:

4   inputting a utility program which updates target said source code, said object code

5   being associated with said target source code, and said utility program

6   including a scripting language specifying particular characters to search for in

7   said target code and said associated object code;

8   generating a target code list for changing said associated object code using said

9   utility program;

10   executing a search technique including pattern type variables which use generic

11   rules to specify said associated object code for changing; and

12   updating said associated object code.

1 9. The method of claim 8 wherein said utility program defines new source code
2 to be added to said existing source code.

1 10. The method of claim 8 wherein the utility program prioritizes said target code
2 to update while employing said search technique.

1 11. The method of claim 8 wherein said utility program includes a process
2 procedure for an operator to call, said process procedure recursively invokes said
3 utility program and arguments.

1 12. The method of claim 8 wherein said utility program is in a UNIX®
2 environment.

1 13. The method of claim 8 wherein said utility program provides that said existing
2 code with a specific character are not considered to be a file, and thereby are
3 bypassed for any changes by the utility program.

1 14. A computer program product for updating existing code in a computer
2 program after inputting new code which defines changes to said existing code, said
3 computer program product having:
4   computer readable program code means for generating a target file list which
5   includes target files;
6   computer readable program code means for generating an associated file list
7   including associated files which correspond with said target files; and
8   computer readable program code means for executing an algorithm where said
9   algorithm locates said target files by employing a search process, said
10   algorithm updates said target files and updates said associated files by
11   selectively compiling said target files.

1   15.   A program storage device readable by a machine, tangibly embodying a
2   program of instructions executable by the machine to perform method steps for
3   updating existing code in a computer program after inputting new code which defines
4   changes to said existing code, said method steps comprising:
5   generating a target file list which includes target files;
6   generating an associated file list including associated files which correspond with
7   said target files; and
8   executing an algorithm where said algorithm locates said target files by employing
9   a search process, said algorithm updates said target files and updates said
10   associated files by selectively compiling said target files.